

**Pre Calculus Honors
3.5A Homework**

**Name:
Date:**

Solve the following log problems.

1. $-5 + \log_7(6x) = 0$

2. $3\ln(2x + 3) = 9$

3. $\ln(x+2) = \ln(x-4) + \ln 3$

4. $\log_3 x + \log_3(x^2 - 8) = \log_3 8x$

5. $\log_2(x + 4) = 2 - \log_2(x + 1)$

6. Find the inverse of $f(x) = \log_5(6x + 4) - 3$